

CA# 2364 Application of TEXACO
for a triple completion of its A.
H. Blinbry NCT-1 Well No. 14.

-asa 1/10.

2364

Application, Transcript,
all Exhibits, Etc.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 871
SANTA FE

September 7, 1961

Mr. Charlie White
Gilbert, White & Gilbert
P. O. Box 787
Santa Fe, New Mexico

Re: Case No. 2364, 2365, 2366 & 2369
Order No. R-2054, R-2053, R-2056 &
Applicant: R-2057

TEXACO AND SUNRAY

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC x (R-2057)
Aztec OCC
OTHER

**BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:**

**CASE NO. 2364
Order No. R-2054**

**APPLICATION OF TEXACO INC.
FOR A TRIPLE COMPLETION,
LEA COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 30, 1961, at Santa Fe, New Mexico, before Elvis A. Uts, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 7th day of September, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Uts, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Texaco Inc., seeks permission to complete its A. H. Blinbry NCT-1 Well No. 14, located in Unit M, Section 28, Township 22 South, Range 38 East, N22W, Lea County, New Mexico, as a triple completion (conventional) in the South Paddock, Tubb, and Brinkard Pools, with the production of oil from each pool to be through parallel strings of 2 3/8-inch tubing.

(3) That the mechanics of the proposed installation are in accord with good conservation practices.

(4) That approval of the subject application will neither cause waste nor impair correlative rights.

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Case No. 2364

Order No. R-2054

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its A. H. Blinabry ECT-1 Well No. 14, located in Unit M, Section 28, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, as a triple completion (conventional) in the South Paddock, Tubb, and Brinkard Pools, with the production of oil from each pool to be through parallel strings of 2 3/8-inch tubing.

(2) That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

(3) That packer-leakage tests shall be taken on completion of the well and annually thereafter during the gas-oil ratio test period for the Brinkard Pool.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. Mechem

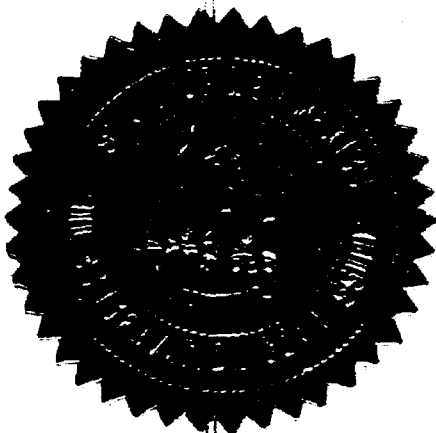
EDWIN L. MECHEM, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Foster, Jr.

A. L. FOSTER, Jr., Member & Secretary



12/

Class 2364

**TEXACO
INC.**

PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION



P. O. BOX 3100
MIDLAND, TEXAS

July 28, 1961

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr.

Gentlemen:

TEXACO Inc. respectfully requests a hearing be set to consider its application to triple complete its A. H. Blinebry NCT-1 Well No. 14 in the Paddock, South, Tubb (Oil), and Drinkard pools. All three completions are anticipated to be oil and will be produced through parallel strings of 2-3/8" OD Buttruss tubing. In support of our application we wish to state the following facts:

1. TEXACO Inc. is the operator of all lands located in Section 28, T-22-S, R-38-E, Lea County, New Mexico. The lands located in Section 28 are a part of the A. H. Blinebry NCT-1 Lease.
2. The A. H. Blinebry NCT-1 Well No. 14 is located in Unit M, Section 28, T-22-S, R-38-E, Lea County, New Mexico.
3. The Drinkard is anticipated to be an oil completion and will be completed through the open hole interval 6900' - 7200'.
4. The Tubb (Oil) is anticipated to be an oil completion and will be perforated 6260' to 6340'.
5. The South Paddock is anticipated to be an oil completion and will be perforated 5230' - 5250'.
6. It is anticipated that the Tubb and Drinkard will flow upon completion and the South Paddock will be produced by artificial lift.

*Worhite
Milled
8-17-61*

NMOCC

-2-

7-28-61

Attached in triplicate is an application for triple completion, a plat of the A. H. Blinebry NCT-1 Lease and a diagrammatic sketch of the proposed triple completion installation. It is respectfully requested that this hearing be set on your first available Examiner Hearing docket.

Very truly yours,

TEXACO Inc.



J. E. Robinson, Jr.
Division Proration Engineer

JERjr.-MM
Attach.

Case 2364

Heard 8-30-61

Rec. 8-31-61

1. Grant Texaco's request for a triple completion as follows:

Upper - S. Paddock - Oil.

Middle - Dutt - Oil.

Lower - Drinkard - Oil.

~~Each~~ Each zone shall be produced thru $2\frac{3}{8}$ " OD Buttern tubing.

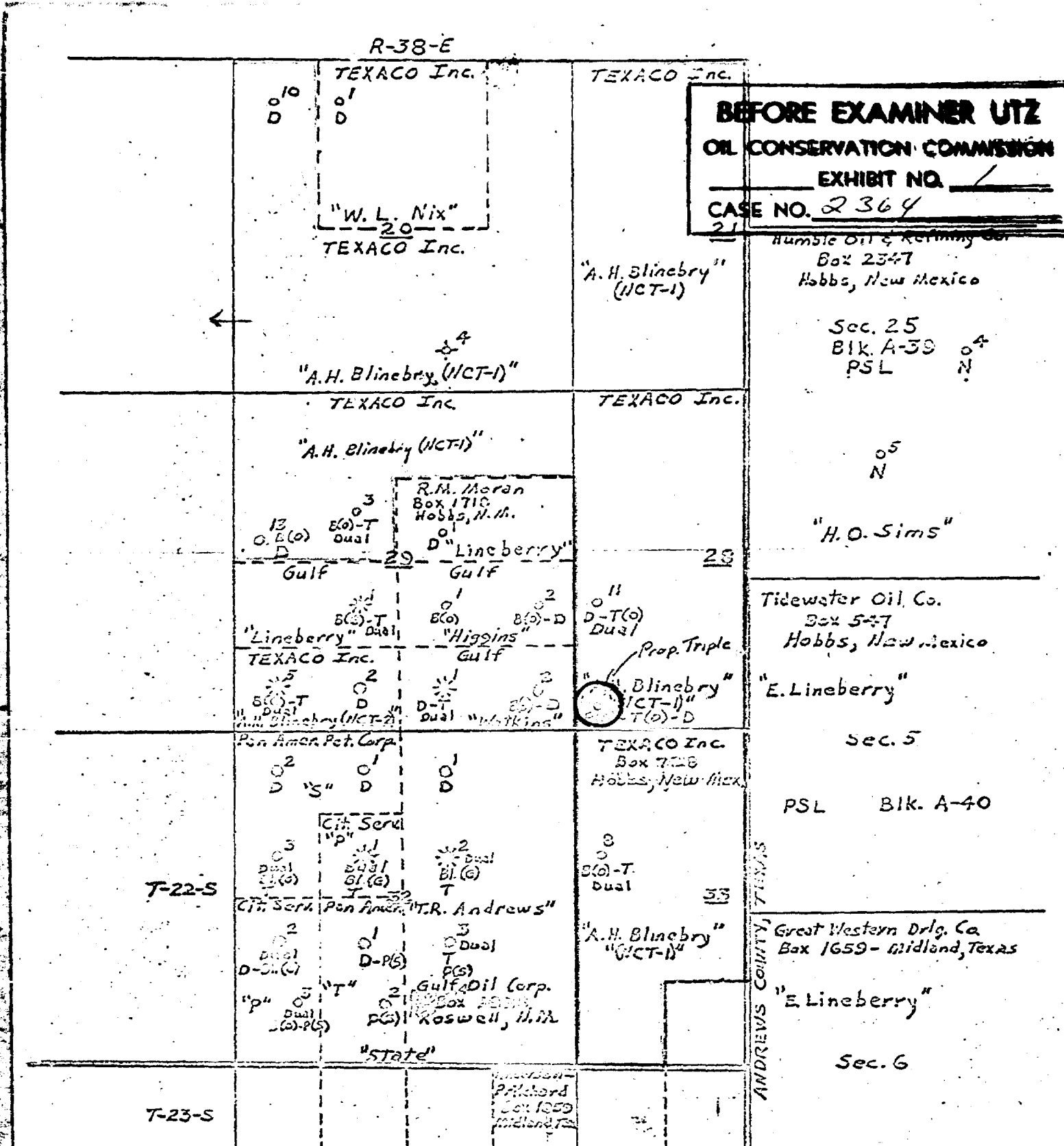
2. ~~The Middle zone shall be adequately~~

~~properly protected~~

Each zone shall be adequately separated from other zones by packers.

3. Also request Multiple completion order.

Thos. H. R. [Signature]



R-38-E
LEA COUNTY, NEW MEXICO

BL(G) - Blinberry Gas Pool
 BL(O) - Blinberry Oil Pool
 D - Drinkard Pool
 P(S) - Paddock South Pool
 T - Tubb Gas Pool
 T(O) - Tubb Oil Pool
 N - Nelson (Wichita) Pool

PLAT SHOWING TEXACO Inc. A. H. BLINBERRY (NCT-1) LEASE AND OFFSET LEASES

SCALE: 1" = 2000'
 LMF - JULY 24, 1961

South Paddock Oil

2-3/8" OD Buttress Tubing to 5225'

Top at 5230 Feet

Name: South Paddock

Completion this

Zone: Oil

Bottom at 5250 Feet

2-3/8" OD Buttress Tubing to 6200'

Top at 6260 Feet

Name: Tubb (Oil)

Completion this

Zone: Oil

Bottom at 6340 Feet

2-3/8" OD Buttress Tubing to 6900'

Top at 6900 Feet

Name: Drinkard

Completion this

Zone: Oil

Bottom at 7200 Feet

TD - 7200'

Tubb Oil

Drinkard Oil

9-5/8" csg @ 1340' (Cmt circ)

Parallel Latching Sub @ 5225'

Perforated: 5230' - 5250'

Baker Model "K" (Snap Set) Packer @ 6200'

Perforated: 6260' - 6340'

Baker Model "F" Packer @ 6450'

7" csg @ 6900'

Open Hole: 6900' - 7200'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO: 2364

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

**TRIPLE
APPLICATION FOR ~~WELL~~ COMPLETION**

Field Name Drinkard, Tubb (Oil), South Paddock			County Lea	Date July 25, 1961
Operator TEXACO Inc.		Lease A. H. Elinchry (MCT-1)		Well No. 14
Location of Well M	Unit M	Section 28	Township 22S	Range 30E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the ~~well~~ completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☐ NO ☒ **triple**
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Middle Zone	Lower Zone
a. Name of reservoir	South Paddock	Tubb (Oil)	Drinkard
b. Top and Bottom of Pay Section (Perforations)	5230' - 5250'	6260' - 6340'	6900' - 7200'
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Artificial Lift	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

- triple**
- Yes** a. Diagrammatic Sketch of the ~~well~~ Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes** b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- No** c. Waivers consenting to such ~~well~~ completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- No** d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Humble Oil and Refining Co., P. O. Box 2347, Hobbs, New Mexico

Tidewater Oil Co., P. O. Box 547, Hobbs, New Mexico

Great Western Drilling Co., P. O. Box 1659, Midland, Texas

Anderson - Pritchard Oil Corporation, P. O. Box 1859, Midland, Texas

Gulf Oil Corporation, P. O. Box 1998, Roswell, New Mexico

R. M. Moran, P. O. Box 1718, Hobbs, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒ **triple**. If answer is yes, give date of such notification _____

Division
CERTIFICATE: I, the undersigned, state that I am ~~Production~~ **Engineer** of ~~the~~ **TEXACO Inc.**

(company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

J. E. Robinson, Jr.
J. E. Robinson, Jr. Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691

PAGE

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 30, 1961

EXAMINER HEARING

IN THE MATTER OF:

Case No. 2364

TRANSCRIPT OF HEARING



BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 30, 1961

EXAMINER HEARING

IN THE MATTER OF:

Application of Texaco, Inc., for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its A. H. Blinebry NCT-1 Well No. 14, located in Unit M, Section 28, Township 22 South, Range 38 East, Lea County, New Mexico, as a triple completion (conventional), in the South Paddock, Tubb & Drinkard Pools, the production of oil from each pool to be through parallel strings of 2 3/8 inch tubing.

Case
2364

BEFORE:

Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 2364.

MR. MORRIS: Application of Texaco, Inc., for a triple completion.

MR. WHITE: Charles White of Gilbert, White & Gilbert, Santa Fe, New Mexico, appearing for the applicant; and we have one witness: Mr. Black.

CHARLES ROBERT BLACK,
called as a witness herein, having been first duly sworn on oath,
was examined and testified as follows:

DIRECT EXAMINATION

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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BY MR. WHITE:

Q Mr. Black, state your full name, and by whom you are employed, and in what capacity.

A I am Charles Robert Black, employed by Texaco, Inc., as a petroleum engineer.

Q Have you previously testified as a petroleum engineer before the New Mexico Oil Conservation Commission?

A No, I have not.

Q Will you briefly state your educational and professional background.

A I was graduated from Texas State College in June, 1958, with a B.S. in Petroleum Engineering. Since that time I have been employed by Texaco, two years spent as a field engineer, one year in reservoir work, and since June of this year I have been employed in the capacity of Assistant Division Proration Engineer.

Q Are you familiar with the subject application?

A Yes, I am.

MR. WHITE: Are the applicant's qualifications acceptable?

MR. UTZ: Yes, sir.

Q (By Mr. White) State briefly what Texaco proposes by the application.

A This is the application of Texaco, Inc., to triple complete its A. H. Blinbry NCT-1, Well No. 14 as an oil-oil-oil triple in the Drinkard, Tubb Oil, and Paddock South Pools. Each

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zone will be produced through independent parallel strings of tubing.

Q What is the present status of the well?

A Presently, Texaco is attempting completions in the Tubb Oil Formation.

Q Will you refer to Exhibit No. 1, and explain the ownership plat?

A Exhibit No. 1 is an ownership plat showing the area immediately surrounding the A. H. Blinebry NCT-1 No. 14. The A. H. Blinebry, or rather I should say, a portion of the A. H. Blinebry is outlined in yellow. The Blinebry Lease extends to the west, as indicated by the yellow arrow, and it is not shown on this particular plat. The A. H. Blinebry Well No. 14 is circled in red. The location of this well is 330 from the south and west lines of Section 28, Township 22, Range 38, Lea County, New Mexico. Also shown on this plat are the offset operators and their well. The field designation of each offset well is shown below the well, and the legend in the bottom right hand corner indicates these field designations. Also shown on this Exhibit are the mailing addresses of the offset operators.

Q Mr. Black, what is the closest Paddock production?

A The closest Paddock production to the proposed triple is approximately three quarters of a mile to the southwest in the Gulf T. R. Andres Well No. 3, which is a dual Tubb Oil and Paddock South.



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Q Are these all the zones in which you intend to complete production in the area?

A Yes. With reference to the Paddock South, the Gulf Oil Andres No. 3 is the closest well producing from the Paddock, the direct offsets to the west and to the north being the Texaco A. H. Blinbry NCT-1 No. 11, and the Gulf Watkins Well No. 2 are producing from the Drinkard Formation, and the Tubb Formation is Tubb Oil, is productive directly offsetting to the north in the Texaco Well No. 11.

Q Will this be the first triple completion in the area as to these particular zones?

A To my knowledge, this is the first triple completion in these particular zones in this area.

Q Now, refer to what has been marked Exhibit 2, and explain that diagramatic sketch. When was that sketch prepared that is Exhibit 2?

A Exhibit No. 2 was prepared prior to the reaching of total depth for this well.

Q Do you intend, at this time, to offer amendments on the Exhibit?

A We do. I would like to amend Exhibit 2 to state that the 7-inch casing was set at 6,922, rather than the 6,900 feet, as indicated.

Q How about the perforation points?

A In the South Paddock, the perforation, or proposed



perforation interval should be amended to read 5,236 to 5,250, rather than 5,236 to 5,256.

Q Instead of 5,250, 5,256?

A That is correct.

Q Now, explain the Exhibit, please.

A Exhibit No. 2 is a diagrammatic sketch of the proposed triple completion installation. This indicates that a 12 1/4, or a 12 1/4-inch hole was drilled to 1,348, and 8 5/8-inch casing was set at 1,348 feet, and cement was circulated to the surface with 700 sacks, and a 8 3/4-inch hole was then drilled to 8,922 feet, and at that point it was reduced to a 6 3/4-inch hole. The 7-inch casing was set at 6,922 feet and cemented with 400 sacks. The total depth of the well is 7,200 feet.

Q What do you anticipate the crude characteristics to be as to each zone?

A The crude characteristics in the Drinkard Formation -- Let me make this statement: We have attempted completions, or have completed in the Drinkard Formation, and this open hole section from 6,922 to 7,200 was acidized with 23,000 gallons of acid, and on the latest tests, it was approximately 1 1/2 barrels per hour. The Drinkard Oil is a 40-degree gravity intermediate crude with an estimated GOR of 1,200 feet per barrel. The reservoir pressure is estimated to be 2,400 PSI. This is based on Drinkard completion in A. H. Blinebry Well No. 11, and this well will pump initially.

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The Tubb Oil, we are presently attempting completions in the Tubb Oil. The Tubb Oil is anticipated to be a 41-degree gravity intermediate crude with an estimated GOR of 2,000 cubic feet per barrel. The reservoir pressure is estimated to be 2,300 PSI based on information from the Texaco Blinbry No. 11, and it is anticipated that this zone will flow upon completion, and show flow for two to three years.

The South Paddock Formation, this zone is the only zone that is not producing in a direct offset well and, as previously stated, the closest South Paddock Production is approximately three quarters of a mile to the southwest. A drill stem test in the Paddock Formation did recover free oil with no water, and therefore Texaco believes that the Paddock Formation in this location will be productive. It is anticipated that the Paddock Oil will be a 36-degree cellar crude with a producing GOR of approximately 1,500 cubic feet per barrel. The reservoir pressure is estimated to be 1,440 PSI, and that is from drill stem data, and it is anticipated that this zone will pump initially.

Q Mr. Black, will this installation be such that you can pump all the zones if it becomes necessary?

A Yes. We can pump all three zones, if necessary.

Q Do you anticipate any corrosive problems?

A There are no corrosion or paraffin problems anticipated in the Drinkard or Tubb zones. However, there is mild corrosion and mild paraffin problems anticipated from the Paddock zone; and



therefore, Texaco plans to internally plasticote the Paddock zone tubing, and upon completion, we will immediately commence a corrosion inhibitor program to prevent corrosion from deteriorating the equipment in this installation.

Q Now, will you give the perforation points, please.

A The Drinkard Formation is completed in the open hole section from 6,922 feet to 7,400 feet. The Tubb Oil is proposed to be perforated from 6,260 to 6,340 feet. The South Paddock is proposed to be perforated from 5,326 feet to 5,256 feet.

Q Will you explain the proposed downhole equipment.

A We propose to run three stringers of 2 3/8-inch OD Buttress tubing to produce each zone independently. The short string will be set approximately 5,225 feet in a parallel latching stub. The middle string will be set at 8,200 feet in a Baker Model K snapset packer, and the long string will be set at approximately 6,900 feet. Immediately above the Drinkard Zone, a Baker Model F packer will be set at approximately 6,450 feet, and a Baker Model K snapset packer will be set at approximately 6,200 feet. The parallel latching stub will be run to the middle string and set at approximately 5,225 feet.

Q Do you have a log for this?

A Yes, we do. I would like to enter that as Exhibit 3.

Q Do you care to explain that, or is that self-explanatory?

A I can explain it.

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MR. WHITE: Would the Examiner like the log explained?

THE WITNESS: The pertinent data is marked in red.

MR. UTZ: It is marked in here?

THE WITNESS: The detailed section at the bottom portion of the log.

MR. UTZ: I don't believe any explanation is necessary. It is probably marked.

MR. WHITE: That concludes our testimony, and we offer Exhibits 1 through 3 at this time.

MR. UTZ: Without objection, Exhibits 1 through 3 will be entered into the record.

(Whereupon, Applicant's Exhibits Nos. 1, 2, 3, received in evidence.)

Q (By Mr. Utz) Mr. Black, what is the top of your cement on your 7-inch?

A We did not run a temperature survey on the 7-inch. However, the calculated top of the cement was such that it would be sufficient to cover all of the proposed completion intervals. I do not actually have the calculated time.

Q Up through the South Paddock?

A Up through and at least a minimum of 200 feet above the top of the South Paddock Formation.

Q Is the Baker Model F packer a permanent packer?

A Yes. The packer Model F is a permanent-type packer.



Q How about the Model K?

A The Model K is a retrievable-type packer. It is run on a long string, and this packer is mechanically set with a middle packer as handled in this packer.

MR. UTZ: Are there any other questions?

MR. MORRIS: Yes, sir.

MR. UTZ: Mr. Morris.

Q (By Mr. Morris) Mr. Black, you said you were attempting a completion in the Tubb Oil at this time. Are you expecting any difficulty in making that completion?

A We are not expecting any difficulty. It has been a characteristic of the Tubb Formation in this area that in some instances where you expect oil you get gas. Therefore, that is the reason I said "attempting". We haven't actually had any tests on this yet, to my knowledge.

Q If you ran into trouble on the Tubb, and say, you did get a gas-producing interval there, would you change your plans any on this well? Would you try to complete it as, say, the Blinebry Oil, say, rather than the Tubb Oil?

A Mr. Morris, I cannot definitely answer that. I feel sure that probably we would attempt to complete in the Blinebry Oil rather than the Tubb Gas. We don't anticipate that situation. However, it is one that could arise.

Q Did you give the expected GOR in the Tubb Zone?

A In the Tubb, yes. The estimated or expected GOR is



somewhere around 2,000-to-1.

Q Thank you.

MR. UTZ: Are there any further questions? The Witness may be excused. Are there other statements in this case? The case will be taken under advisement.

(Whereupon, the Hearing of Case No. 2364, was concluded.)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

I, Michael P. Hall, Court Reporter, in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in machine shorthand and reduced to typewritten transcript under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

Michael P. Hall
NOTARY PUBLIC

My commission expires:

June 20, 1965

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2364 heard by me on 8-30 1961

Thomas A. Hall Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CM 3-6691

ALBUQUERQUE, NEW MEXICO

